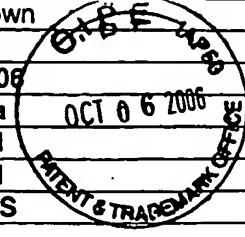


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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/575,991
		Filing Date	April 13, 2006
		First Named Inventor	Lital Alfonta
		Group Art Unit	Unassigned
		Examiner Name	Unassigned
		Attorney Docket Number	54-000711US
		Date Submitted	



U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
/KG/	1	2003-0082575	A1	Schultz et al.	05-01-2003	
/KG/	2	2003-0108885	A1	Schultz et al.	06-12-2003	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
/KG/	3	WO	2002/085923	A2	The Scripps Research Institute	10-31-2002		
/KG/	4	WO	2002/086075	A2	The Scripps Research Institute	10-31-2002		
/KG/	5	WO	2004/035605	A2	The Scripps Research Institute	04-29-2004		
/KG/	6	WO	2004/035743	A2	The Scripps Research Institute	04-29-2004		
/KG/	7	WO	2004/058946	A2	The Scripps Research Institute	07-15-2004		
/KG/	8	WO	2004/094593	A2	The Scripps Research Institute	11-04-2004		
/KG/	9	WO	2005/003294	A2	The Scripps Research Institute	01-13-2005		
/KG/	10	WO	2005/007624	A2	The Scripps Research Institute	01-27-2005		
/KG/	11	WO	2005/007870	A2	The Scripps Research Institute	01-27-2005		
/KG/	12	WO	2005/019415	A2	The Scripps Research Institute	03-03-2005		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
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/KG/	13	CHIN ET AL. (2003) "An Expanded Eukaryotic Genetic Code." <i>Science</i> , 301: 964-967.				

Examiner Signature	/Kagnew Gebreyesus/	Date Considered	03/16/2007
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		Examiner Name	Unassigned
		Attorney Docket Number	54-000711US
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/KG/	14	FENG ET AL. (2003) "Expanding tRNA recognition of a tRNA synthetase by a single amino acid change." <i>Proceedings of the National Academy of Sciences USA</i> , 100(10): 5676-5681.	
	15	FORSTER ET AL. (2003) "Programming peptidomimetic synthetases by translating genetic codes designed <i>de novo</i> ." <i>Proceedings of the National Academy of Sciences USA</i> , 100(11): 6353-6357.	
	16	FRANCKLYN ET AL. (2002) "Aminoacyl-tRNA synthetases: Versatile players in the changing theater of translation." <i>RNA</i> , 8: 1363-1372.	
	17	IBBA (1996) "Strategies for <i>in vitro</i> and <i>in vivo</i> translation with non-natural amino acids." <i>Biotechnology and Genetic Engineering Reviews</i> , 13: 197-216.	
	18	KIGA ET AL. (2002) "An engineered Escherichia coli tyrosyl-tRNA synthetase for site-specific incorporation of an unnatural amino acid into proteins in eukaryotic translation and its application in a wheat germ cell-free system." <i>Proceedings of the National Academy of Sciences USA</i> , 99(15) : 9715-9723.	
	19	KOWAL ET AL. (2001) "Twenty-first aminoacyl-tRNA synthetase-suppressor tRNA pairs for possible use in site-specific incorporation of amino acid analogues into proteins in eukaryotes and in eubacteria." <i>Proceedings of the National Academy of Sciences USA</i> , 98(5): 2268-2273.	
	20	LIU AND SCHULTZ (1999) "Progress toward the evolution of an organism with an expanded genetic code." <i>Proceedings of the National Academy of Sciences USA</i> , 96: 4780-4758.	
	21	OHNO ET AL. (1998) "Co-Expression of Yeast Amber Suppressor tRNA ^{tyr} and Synthetase in Escherichia coli: Possibility to Expand the Genetic Code." <i>J. Biochem</i> 124(6):1065-1068.	
	22	WANG AND SCHULTZ (2001) "A general approach for the generation of orthogonal tRNAs." <i>Chemistry and Biology</i> , 8: 883-890.	
	23	WANG ET AL. (2000) "A New Functional Suppressor tRNA/Aminoacyl-tRNA Synthetase Pair for the <i>in Vivo</i> Incorporation of Unnatural Amino Acids into Proteins." <i>Journal of the American Chemistry Society</i> , 122: 5010-5011.	
	24	WANG ET AL. (2001) "Expanding the Genetic Code of Escherichia coli." <i>Science</i> , 292: 489-500.	
V	25	ZHANG ET AL. (2002) "The Selective Incorporation of Alkenes into Proteins in Escherichia coli." <i>Angewandte Chemie, International Edition</i> , 41: 2840-2842.	
/KG/	26	ZHANG ET AL. (2003) "A New Strategy for the Site-Specific Modification of Proteins <i>in Vivo</i> ." <i>Biochemistry</i> , 42: 6735-6746.	

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**SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT
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Application Number	10/575,991
Filing Date	April 13, 2006
First Named Inventor	Lital Alfonta
Group Art Unit	1656
Examiner Name	Gebreyesus, Kagnew
Attorney Docket Number	54-000711US
Date Submitted	December 21, 2006

U.S. PATENT DOCUMENTS

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/KG/	1	WANG ET AL. "Addition of the Keto Functional Group to the Genetic Code of Escherichia Coli." PNAS, 100(1):56-61 (published on-line December 23, 2002)	
/KG/	2	ALFONTA ET AL. "Site Specific Incorporation of a Redox-Active Amino Acid into Proteins." J. Am. Chem. Soc., 125:14662-14663 (published on-line November 6, 2003)	

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